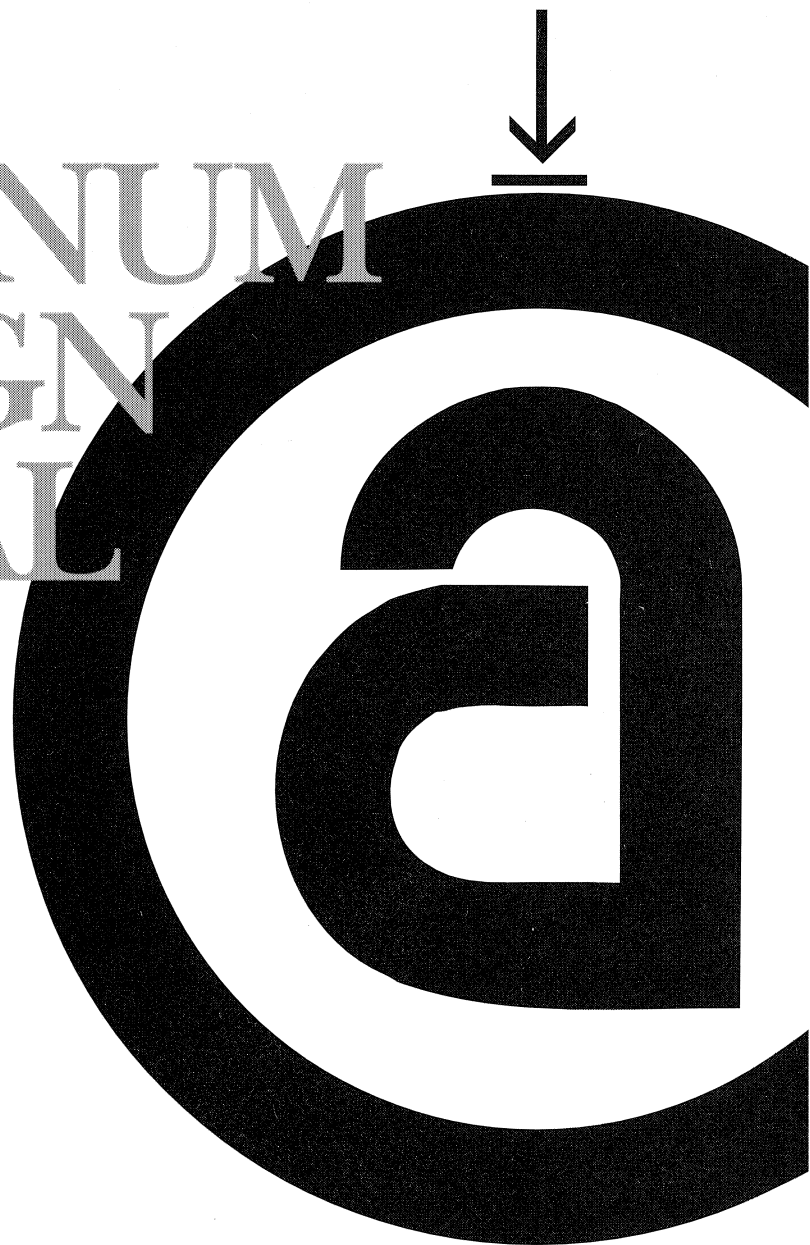


ALUMINUM DESIGN MANUAL



**The Aluminum
Association**

— SPECIFICATIONS & GUIDELINES FOR ALUMINUM STRUCTURES —→ |

1525 Wilson Boulevard, Suite 600, Arlington, VA 22209

This is a preview. [Click here to purchase the full publication.](#)

Copyright © June 2005, The Aluminum Association, Inc. All rights reserved

No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form, or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of
The Aluminum Association, Inc.

[This is a preview. Click here to purchase the full publication.](#)

TABLE OF CONTENTS



This is a preview. [Click here to purchase the full publication.](#)

Aluminum Design Manual

Table of Contents

PART	TITLE
IA	Specification for Aluminum Structures – Allowable Stress Design
IB	Specification for Aluminum Structures – Building Load and Resistance Factor Design
IIA	Commentary on Specification for Aluminum Structures – Allowable Stress Design
IIB	Commentary on Specification for Aluminum Structures – Building Load and Resistance Factor Design
III	Design Guide
IV	Materials
V	Material Properties
VI	Section Properties
VII	Design Aids
VIII	Illustrative Examples of Design
IX	Guidelines for Aluminum Sheet Metal Work in Building Construction
Appendix 1	Metric Guide for Aluminum Structural Design
Index	

FOREWORD



This is a preview. [Click here to purchase the full publication.](#)

FOREWORD

The *Aluminum Design Manual* includes aluminum structural design specifications and accompanying commentary, a supplemental design guide, material properties, section properties, design aid tables and graphs, illustrative design examples and guidelines for aluminum sheet metal work in building construction.

This edition of the *Aluminum Design Manual* is the product of the efforts of the Aluminum Association Engineering and Design Task Force, whose members are listed below.

The Aluminum Association Engineering and Design Task Force

Steve Sunday, Alcoa Inc., chair
Frank Armao, Lincoln Electric Co.
Randy Killian, Conservatek Industries, Inc.
Randy Kissell, The TGB Partnership
Greg McKenna, Kawneer Company, Inc.
Craig C. Menzemer, University of Akron
George Olive, Larson Engineering of Missouri
Gerald Orrison, Temcor
Teoman Peköz, Cornell University
Frank Shoup, Alcoa Inc.
Mike Skillingberg, The Aluminum Association, Inc.

The *Aluminum Design Manual* is offered as a guideline only and The Aluminum Association, Association's Engineering and Design Task Force and the members thereof assume no responsibility or liability whatsoever for any information contained herein and make no representation, warranty, expressed or implied, or guarantee whatsoever as to the accuracy of the information or the applicability of such information with respect to the design, engineering or construction of any structure. The use of this Manual by members and non-members of The Aluminum Association is voluntary and the issuance or existence of this Manual does not in any respect prevent or restrict any member or non-member from manufacturing, designing, supplying, constructing, or using products not in conformance with this Manual.

Check www.aluminum.org for ADM 2005 updates.

Aluminum Design Manual

PART I-A

Specification for Aluminum Structures— Allowable Stress Design



The Aluminum Association, Inc.
1525 Wilson Boulevard, Suite 600, Arlington, VA 22209

Eighth Edition, January 2005

This is a preview. [Click here to purchase the full publication.](#)